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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:
TIMOTHY CASPAR ET. AL.

CASE NUMBER: BB1386 USPCT
#4

APPLICATION NO: 10/019,633

GROUP ART UNIT: UNKNOWN

FILED: DECEMBER 27, 2001

EXAMINER: UNKNOWN

FOR: PURINE METABOLISM GENES IN PLANTS

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08. Also attached hereto is a copy of an International Search Report from a corresponding foreign application.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E.I. du Pont de Nemours and Company).

Respectfully submitted,

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Attorney for Applicants
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Telephone Number: 302-992-3749
Facsimile No: 302-892-1026

Encl.

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Sheet 1 of 1 Attorney Docket Number BB1386 US PCT

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

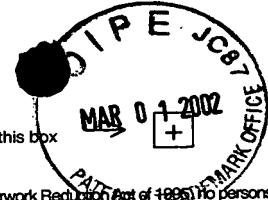
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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1

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First Named Inventor	TIMOTHY CASPAR ET AL.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1386 US PCT

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 7484807, 05-14-1999, S. D. ROUNSLEY ET AL.	
		EMBL SEQUENCE DATABASE LIBRARY ACCESSION NO: AI731574, 06-12-1999, M. BLEWITT ET AL., ESTS FROM DEVELOPING COTTON FIBER	
		JANE E. DANCER ET AL., PLANT PHYS., VOL. 114:119-129, 1997, ADENOSINE-5'-PHOSPHATE DEAMINASE	
		DAVID K. WILSON ET AL., SCIENCE, VOL. 252:1278-1284, 1991, ATOMIC STRUCTURE OF ADENOSINE DEAMINASE COMPLEXED WITH A TRANSITION-STATE ANALOG: UNDERSTANDING CATALYSIS AND IMMUNODEFICIENCY MUTATIONS	
		RICHARD A. MORGAN ET AL., ANNU. REV. BIOCHEM., VOL. 62:191-217:1993, HUMAN GENE THERAPY	
		M. LOUISE MARKERT ET AL., IMMUNODEFICIENCY, VOL. 5:141-157, 1994, MOLECULAR BASIS OF ADENOSINE DEAMINASE DEFICIENCY	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 644509, 02-08-1995, F. VAN DEN BERGH ET AL., EXON SHUFFLING AT THE 5' END OF THE HUMAN AMPD2 GENE PRODUCES MULTIPLE TRANSCRIPTS ENCODING VARIABLE N-TERMINAL EXTENSIONS OF ISOFORM L	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 351916, 06-20-1996, K. J. LIMBACH ET AL., ISOLATION AND CHARACTERIZATION OF TWO ALLELES OF THE CHICKEN CYTOCHROME C GENE	
		KEITH J. LIMBACH ET AL., NUCL. ACIDS RES., VOL. 11(24):8931-8950, 1983, ISOLATION AND CHARACTERIZATION OF TWO ALLELES OF THE CHICKEN CYTOCHROME C GENE	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4115949, 08-10-1999, A. ABBOTT ET AL., THE SEQUENCE OF A. THALIANA T4B21	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1703166, 10-16-2001, L. MALLET ET AL., A 43.5 KB SEGMENT OF YEAST CHROMOSOME XIV, WHICH CONTAINS MFA2, ADENOSINE DEAMINASE GENE AND 14 NEW OPEN READING FRAMES	

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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LAURENT MALLET ET AL., YEAST, VOL. 11:1195-1209, 1995, A 43.5 KB SEGMENT OF YEAST CHROMOSOME XIV, WHICH CONTAINS MFA2, ADENOSINE DEAMINASE GENE AND 14 NEW OPEN READING FRAMES	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2506342, 08-20-2001, Z. Y. CHANG ET AL., DEDUCED AMINO ACID SEQUENCE OF ESCHERICHIA COLI ADENOSINE DEAMINASE REVEALS EVOLUTIONARY CONSERVED AMINO ACID RESIDUES; IMPLICATIONS FOR CATALYTIC FUNCTION	
		ZENGYI CHANG ET AL., BIOCHEMISTRY, VOL. 30:2273-2280, 1991, DEDUCED AMINO ACID SEQUENCE OF ESCHERICHIA COLI ADENOSINE DEAMINASE REVEALS EVOLUTIONARY CONSERVED AMINO ACID RESIDUES; IMPLICATIONS FOR CATALYTIC FUNCTION	
		FREDERICK R. BLATTNER ET AL., SCIENCE, VOL. 277:1453-1462, 1997, THE COMPLETE GENOME SEQUENCE OF ESCHERICHIA COLI K-12	
		HIROJI AIBA ET AL., DNA RES., VOL. 3:363-377, 1996, A 570-KB DNA SEQUENCE OF THE ESCHERICHIA COLI K-12 GENOME CORRESPONDING TO THE 28.0-40.1 MIN REGION ON THE LINKAGE MAP	
		SHERYL L. MEYER ET AL., BIOCHEMISTRY, VOL. 28:8734-8743, 1989, CHARACTERIZATION OF AMD, THE AMP DEAMINASE GENE IN YEAST. PRODUCTION OF AMD STRAIN, CLONING, NUCLEOTIDE SEQUENCE, AND PROPERTIES OF THE PROTEIN	

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APPLICATION NO: 10/019,633
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